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PTO/SB/05 (11-0)

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## UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. HES 2000-IP-001848

First Inventor Ronald E. Sweatman
METHODS OF DISCOVERING AND
Title CORRECTING SUBTERRANEAN...

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Express Mail Label No. EL922667881US

APPLICATION ELEMENTS			ADDRESS TO: Assistant Commissioner for Patents Box Patent Application						
See MPEP chapter 600 con	cerning utility patent application conte	Washington, DC 20231							
1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)			7. CD-ROM or CD-R in duplicate, large table or						
2. Applicant claims small entity status. See 37 CFR 1.27.			Computer Program (Appendix)  8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)						
3. Specification (preferred arrangement	[Total Pages 18]		a. Computer Readable Form (CRF)						
<ul> <li>Descriptive title</li> </ul>	of the invention		b. Specification Sequence Listing on:						
	e to Related Applications arding Fed sponsored R & D		i. CD-ROM or CD-R (2 copies); or						
- Reference to se	equence listing, a table, program listing appendix		ii. 🔲 paper						
- Background of	the Invention		c. Statements verifying identity of above copies						
	of the Invention on of the Drawings (if filed)		ACCOMPANYING APPLICATION PARTS						
<ul><li>Detailed Descr</li><li>Claim(s)</li></ul>	iption		9. Assignment Papers (cover sheet & document(s))						
- Abstract of the	Disclosure		10. 37 CFR 3.73(b) Statement Power of Attorney						
4. Drawing(s) (35 U	J.S.C. 113) [ Total Sheets	٦,	11. English Translation Document (if applicable)						
5. Oath or Declaration	[ Total Pages	$\vec{j}_1$	12. X Information Disclosure X Copies of IDS Statement (IDS)/PTO-1449						
a. Newly exec	uted (original or copy)	_	13. Preliminary Amendment						
a. Newly executed (original or copy)  Copy from a prior application (37 CFR 1.63 (d)) b. (for continuation/divisional with Box 18 completed)  13. Preliminary Amendment  Return Receipt Postcard (MPEP 503)  (Should be specifically itemized)									
i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s)  15. Certified Copy of Priority Document(s) (if foreign priority is claimed)									
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35									
6. Application Data Sheet. See 37 CFR 1.76 or its equivalent.  17. Other:									
18. If a CONTINUING APPL	ICATION, check appropriate box, and	d supply t	the requisite information below and in a preliminary amendment,						
or in an Application Data Sh	eet under 37 CFR 1.76:								
Continuation Divisional Continuation-in-part (CIP) of prior application No.:/  Prior application information: Examiner Group Art Unit:									
For CONTINUATION OR DIVIS	ExaminerIONAL APPS only: The entire disclosure	– e of the pi	Group Art Unit: rior application, from which an oath or declaration is supplied under						
			on or divisional application and is hereby incorporated by reference. tly omitted from the submitted application parts.						
	19. CORRESP	ONDEN	CE ADDRESS						
Customer Number or Bar C	ode Label મુક્સ્લુલ ઉપગામભાગ પ્રેર, જ હો	विद्यालया हुन	or Correspondence address below						
Name	C. Clark Dougher	ty,	Jr.						
	Two Leadership S	Squar	e						
Address	211 N. Robinson,	10t	th Floor						
City	Oklahoma City	S	tate OK Zip Code 73102						
Country	U.S.A.	Teleph	none 405/235-9621 Fax 405/235-043						
Name (Print/Type)	C. Clark Dougherty,	Jr.	Registration No. (Attorney/Agent) 24, 208						
Signature	C. Clark Don	ale	Ch. Date 2/25/2002						

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## FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** 740.00

Complet if Known					
Application Number					
Filing Date					
First Named Inventor	Ronald E. Sweatman				
Examiner Name					
Group Art Unit					
Attorney Docket No.	HES 2000-IP-001848				

METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)						
X Check Credit card Money Other None				3. ADDITIONAL FEES						
Order Order				Large Entity  Small Entity						
Deposit				Fee Cod				Fee Description	Fee Paid	
Account Number	50	0-0449		105	e (\$) 130	205	ie (\$) 65	Surcharge - late filing fee or oath		
Deposit Account	McAt	ee & Taf	+	127	50	227	25			
Name				121	50	221	25	Surcharge - late provisional filing fee or cover sheet		
Character	DEFICIEW	orized to: (check all	that apply) t any overpayments	139	130	139	130	Non-English specification		
$\overline{}$				147	2,520	147	2,520	For filing a request for ex parte reexamination		
Charge any additional fee(s) during the pendency of this application  Charge fee(s) indicated below, except for the filling fee			112	920*	112	920*	Requesting publication of SIR prior to Examiner action			
to the aboveid	entified depo	sit account.		113	1,840°	113	1.840*	Requesting publication of SIR after		
	FEE	CALCULATION					•	Examiner action		
1. BASIC F	LING FEE			115	110	215	55	Extension for reply within first month		
Large Entity   Fee Fee	Small Entity Fee Fee			116	400	216	200	Extension for reply within second month		
Code (\$)	Code (\$)	Fee Description	Fee Paid	117	920	217	460	Extension for reply within third month		
101 740	201 370	Utility filing fee	740.00		1,440	218	720	Extension for reply within fourth month		
106 330	206 165	Design filing fee		128	1,960	228	980	Extension for reply within fifth month		
107 510	207 255	Plant filing fee		119	320	219	160	Notice of Appeal		
108 740	208 370	Reissue filing fee		120	320	220	160	Filing a brief in support of an appeal		
114 160	214 80	Provisional filing	fee	121	280	221	140	Request for oral hearing		
SUBTOTAL (1) (\$) 740.00				1,510		1,510	Petition to institute a public use proceeding			
2 EVTDA C	L AIRA EEL		AND REISSUE	140	110	240	55	Petition to revive - unavoidable		
Z. EXIKA C	LAINI FEI	F	ee from		1,280	241	640	Petition to revive - unintentional		
<b>T</b>		Extra Claims	below Fee Paid		1,280	242	640	Utility issue fee (or reissue)		
Total Claims Independent		0" =		143	460	243	230	Design issue fee		
Claims				144	620	244	310	Plant issue fee		
тапра Береп	idon.	<u>L</u>		122	130	122	130	Petitions to the Commissioner		
Large Entity	Small Entit	v		123	50	123	50	Processing fee under 37 CFR 1.17(q)		
Fee Fee Code (\$)	Fee Fee Code (\$)	Fee Descripti	ου	126	180	126	180	Submission of Information Disclosure Stmt		
103 18	203 9	Claims in excess	of 20	581	40	581	40	Recording each patent assignment per property (times number of properties)		
102 84	202 42	Independent clai	ms in excess of 3	146	740	246	370	Filing a submission after final rejection		
104 280	204 140	Multiple depende	ent claim, if not paid	149	740	249	370	(37 CFR § 1.129(a))		
109 84	209 42	** Reissue indep over original p		149	740	249	310	For each additional invention to be examined (37 CFR § 1.129(b))		
110 18	210 9		s in excess of 20	179	740	279	370	Request for Continued Examination (RCE)		
•		and over origin	al patent	169	900	169	900	Request for expedited examination of a design application		
	su	BTOTAL (2)	(\$)	Other fee (specify)						
**or number previously paid, if greater: For Reissues, see above *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)										

SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	C. Clark Dougherty, Jr.	Registration No. (Attorney/Agent)	24,208	Telephone	405/235-9621
Signature	C. Clark Hougherty	h.		Date	2/25/2002

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